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TITLE: Laminate structure for acoustic
applications and process
for the production thereof

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INVENTOR-INFORMATION:

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ABSTRACT:

CHG DATE=19990617 STATUS=O> The invention relates to a laminate structure for acoustic applications, which has a porous, flexible, non-woven, needle-punched mat of inherently non-combustible, fine glass fibres or fibres of another material, which mat is attached as cover layer to a sound-absorbent, flame-retardant, flexible backing layer, such as a layer of

open-celled foam or
a mat of glass fibres or mineral fibres. The invention
also relates to a
process for producing a laminate of this kind. Depending
on the type of
materials used, the covering and/or the face layer and the
backing layer can be
bonded to one another by needle-punching and subsequent
chemical adhesive
bonding, by chemical adhesive bonding or by flame bonding
(hot-melt adhesive
bonding), in the case in which the backing layer is an
open-celled foam, it
being possible to foam the backing layer in situ on the
reverse side of the
face layer, in order in this manner to achieve an intimate
bond between the two
layers.